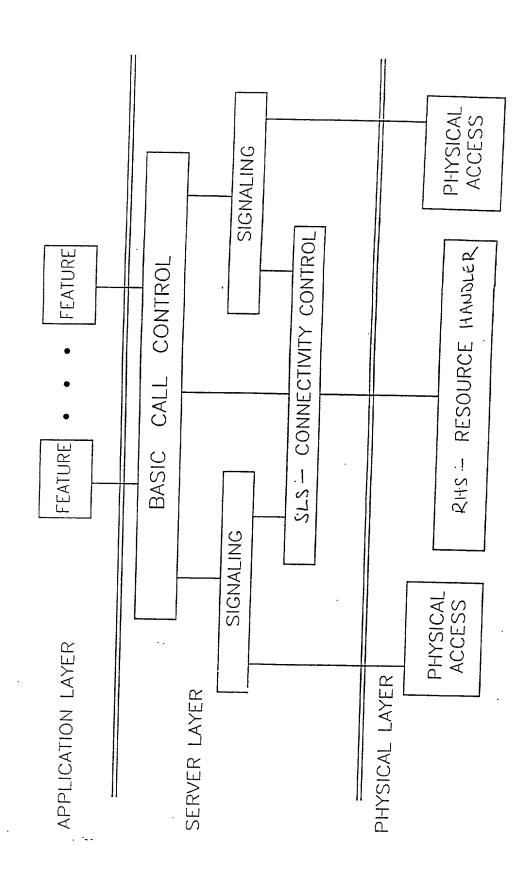
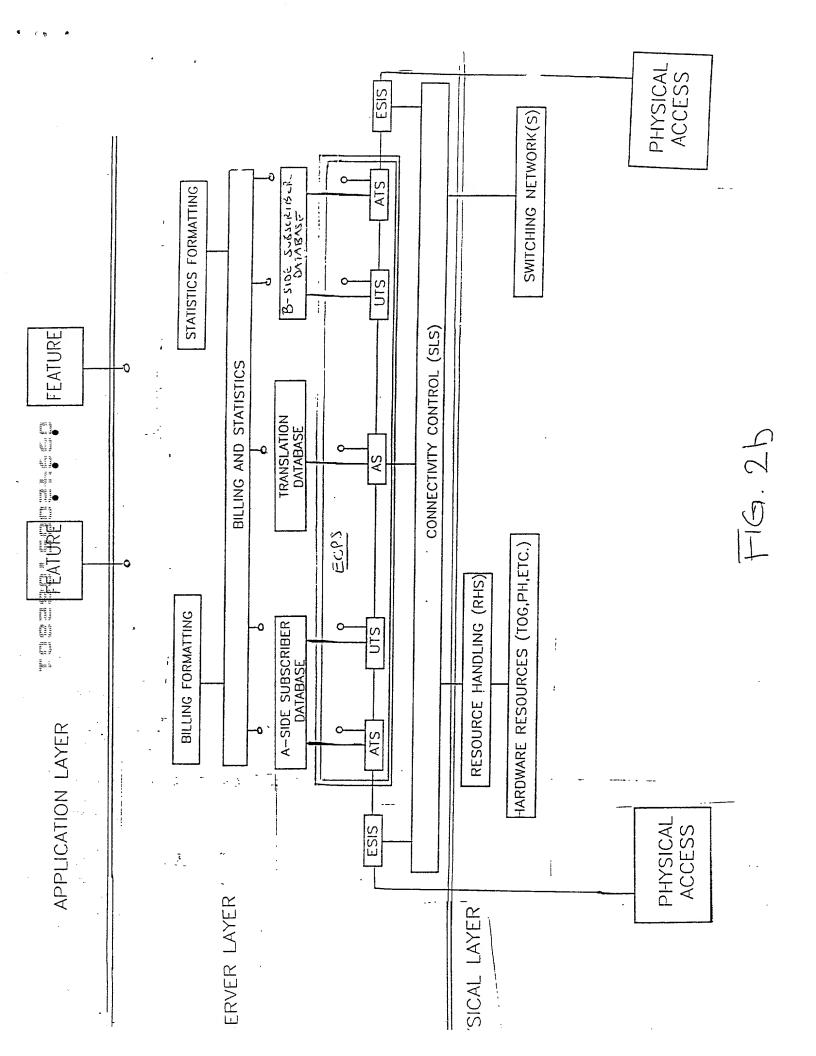
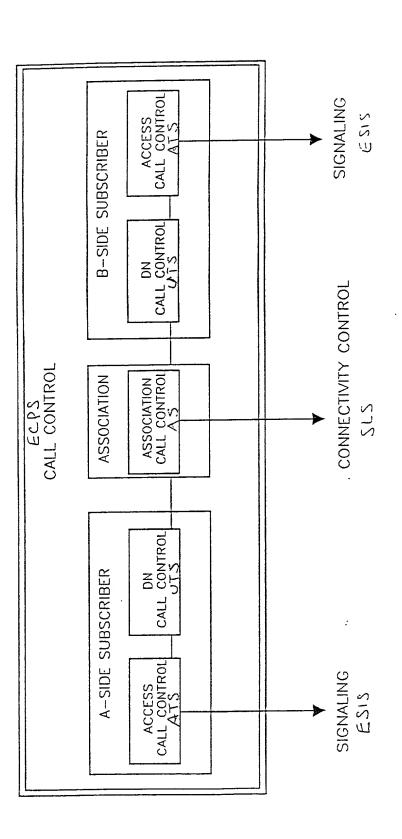


F16.1

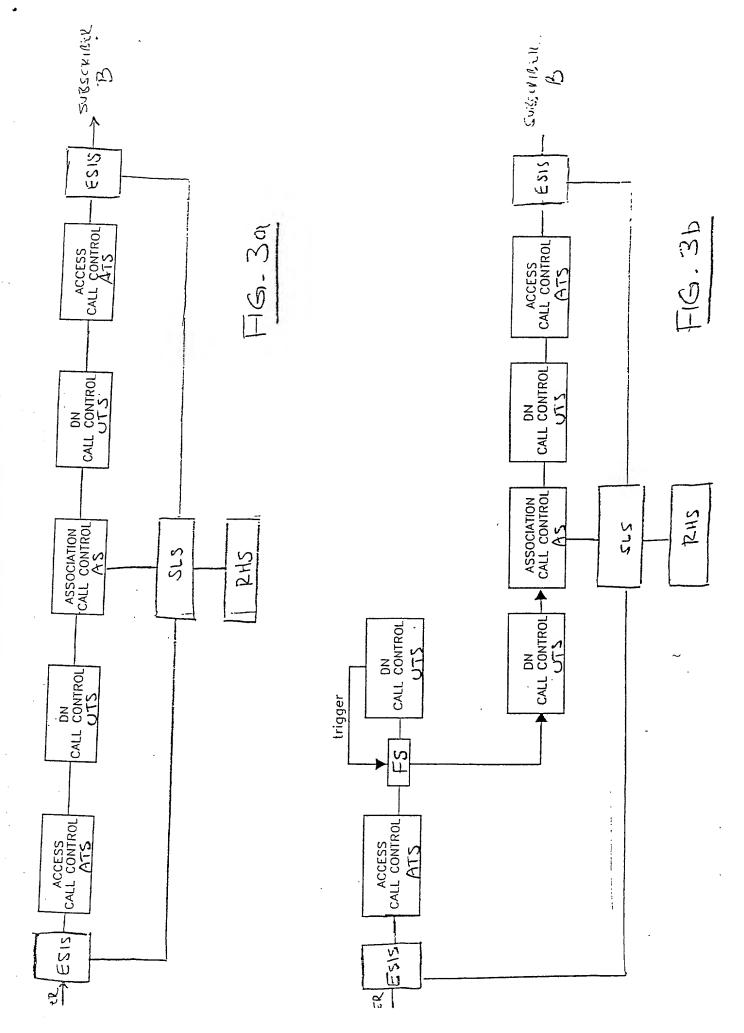


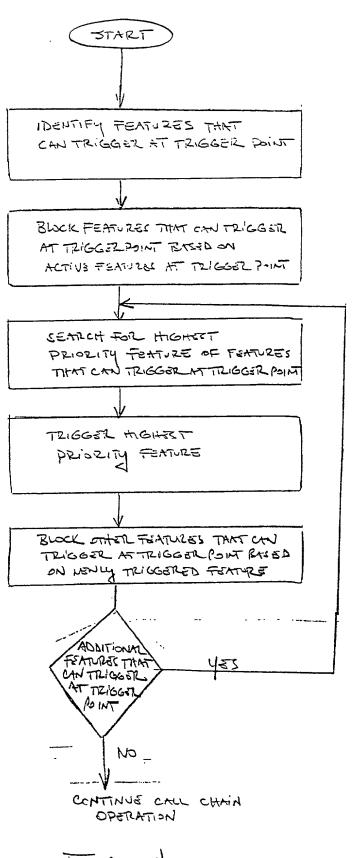
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F16.2c





F16.4

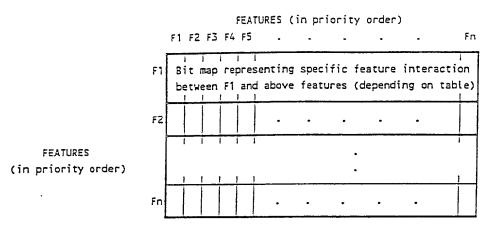
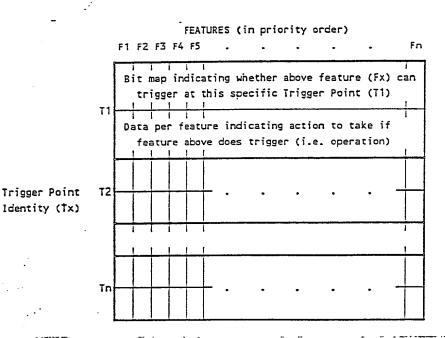


FIG. 5



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F16.6

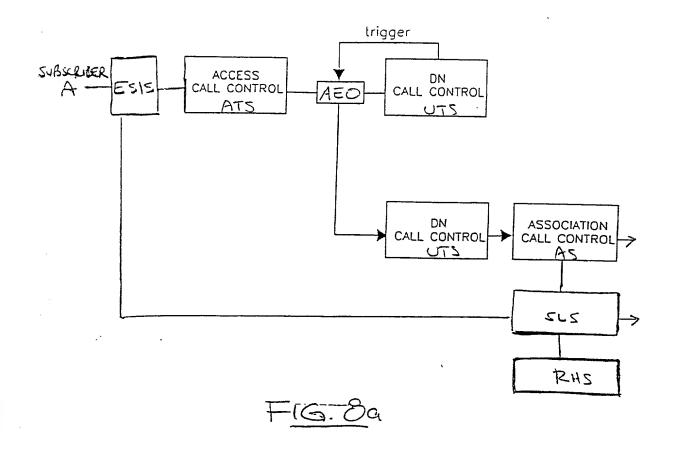
FEATURES (in priority order)

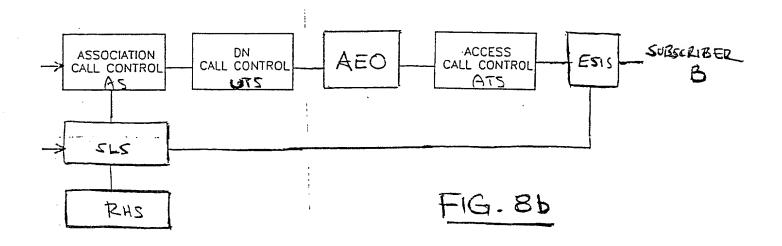
F1 F2 F3 F4 F5 . . . . Fn

I I I I I I

Bit map representing specific features

FIG. 7





INITIAL CONDITION: A-party is busy with a call and subscribes to DND, CF, and CW. An operator activates AEO and calls the A-party (i.e. AEO has set a persistent trigger condition at the "SUBSCRIBER BUSY" trigger point).

TRIGGER POINT:

SUBSCRIBER BUSY (A-party)

STEP (1) Det	termine features which could trigger at	t this trigger point based or	Trigger	Point	Table,
	SUBSCRIBER BUSY TRIGGER POINT ROW	NYYY			
	SUBSCRIBER FEATURE BITMAP	AND Y Y Y	٠		
	PERSISTENT FEATURE BITMAP	YNNN			
	RESULT	Y   Y   Y			

FIG. 8c

STEP (2) Block features based on active features.

The RESULT above remains unchanged since there are no active features on the called line.

FIG. 8d

	17 h bo 1917 a 1	
STEP	(3a) DO WHILE there are features to trigger	
	SEARCH (RESULT bit map) = AEO (AEO is most	significant bit set to Y)
STEP	(3b) Trigger highest priority feature (based	on Trigger Point Table lookup)
	Based on trigger point table entry for the software is triggered which controls termi	AEO, feature operation 1 is performed; AEO nation to the A-party.
STEP	(3c) Block features based on newly triggered	feature
	OLD RESULT	YYYY
!	AEO TRIGGERED FEATURE BLOCKING ROW	DIA N N N N N N N N N N N N N N N N N N N
	NEW RESULT	N N N N

FIG. 8e

At this point the NEW RESULT bit map is empty indicating no further feature triggers are required.

FEATURE PRIORITY LIST (1 being highest priority)

- 1 Attendant Emergency Override (AEO)
- 2 Do Not Disturd (DND)
- 3 Call Forwarding (CF)
- 4 Call Waiting (CW)

F16.8f

SUBSCRIBER FEATURE BITMAP

AEO DND CF CW

N Y Y

F16.89

TRIGGERED FEATURE BLOCKING TABLE

	AEO	סאס	CF	CM
AEO	И	н	N	N
סאס	Y	N	N	N
CF	Y	Y	И	И
CM	Y	Y	Υ	н

'N' implies feature is blocked

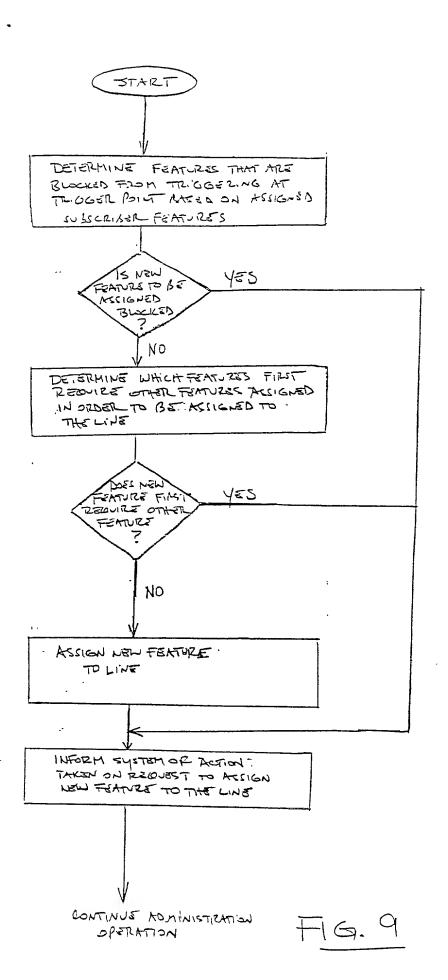
TRIGGER POINT TABLE

	AEO	סאס	CF	CM
TRIGGER PT	И	Y	Y	Y
1				
BUSY	SUPPOR	RTING D	ATA	
	AEO:	actio	n=1	
•	DND:	actio	n=1	
	CF:	actio	n=1	
1	CW:	actio	n=1	
1 1				

action 1 = Trigger Related Feature

FIG. 8h

F16.8i



## FEATURE PRIORITY (1 BEING HIGH PRIORITY)

## FEATURE

ı	MANUAL LINE (HOTLINE)
2	VOICE DATA PROTECTION (VDP)
3	ATTENDANT EMERGENCY OVERRIDE (AEO)
4	DENIED TERMINATION (DT)
5	DO NOT DISTRUB (DND)
6	NOT MAKE BUSY KEY (NMBK)
7	CALL FORWARD INHIBIT MAKE BUSY (CFIMB)
8	MAKE BUSY KEY (MBK)
9	CALL FORWARD INHIBIT LINE BUSY (CFILB)
10	DIAL CALL WAITING (DCW)
11	SELECTIVE CALL FORWARD (SCF)
12	CALL FORWARD VARIABLE (CFV)

## FIG. 10a

		Features (in pr										
	1	2	3	4	5	6	7	8	9	10	11	12
FEATURE POSSIGLE	Υ	Υ	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

FIG. 10b

			·		1	Peat	ur	es	(in	pr.	ior	ity)
	1	2	3	4	5	6	7	8	9	10	11	12
SUBSCRIBER FEATURE	7	7	2	7	7	2.	7	7	7	7	7	Y

FIG. 10c

	•	[					Fea	tur	es	(ir	ı pı	تأوا	ity
		1	2	3	4	5	1	1			1	1	
1	HOTLINE												
2	VDP												
3	AEO												
4	DT												
5	DND												
6	NMBK												
7	CFIMB	Y	Y	Y	N	Y	Y	Y	Y	N	Y	Y	Y
8	MBK	>	7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
9	CFILB												j
10	DCW												
11	SCF												
12	CFV	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y

FIG. 10d

FIG. 10e

			<del></del>			Fea	tur	es	(in	ÞΞ	ior	itvì
	1	2	3	4	5	6	7	8	9	10	11	12
1 HOTLINE												
2 VDP							•					
3 AEO		1								_		
4 DT	1	+	$\dashv$				-	-				
5 DND	$\dashv$		$\dashv$	_				+	1	_		_
6 NMBK	$\dashv$	$\dashv$	+			-	_	-				_
7 CFIMB.	力、	7	7.	<u> </u>	+	1	+	+	_	_		_
8 MBK .	<del>\</del>		// .		1	Y	<u> </u>	1	Y		7/1	1
9 CFILB	1	<del>- - </del>	-	717	1	717	1	1)	<u> </u>	1	1 Y	1
10 DCW	+	+	+		+		·	- -		_	<u>                                     </u>	
11 SCF	+-	+	+-	+	+	+-		_				
12 CFV	TY	TY	}	1 1 Y	1 4	1	1	   Y	1	   Y	1	<u> </u>
			<u> </u>	<u></u>	<del>' '</del>	1 1-		1 1		1 1	Iĭ	t •

FIG. 104

CFIMB Mutually Inc Tble	Entry = Y Y Y Y Y Y Y N Y Y N Y Y Y Y Y Y Y Y
Subscriber Feature	AND  AND  AND  W N N N N N N N N N N N N N N N N N N
CFIMB Mutually Inc Tble	Entry = Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y
RESULT =	N N N N N N N N N N N N N N N N N N N

FIG. 100